

FIG. 1

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| LBS Message | | | | [00:26:40.490] [IS-801 Reverse Link] | |
|--------------|-----|-------|-------------------------------------|---|--|
| Time | Dir | Type | Description | Response #1 : Provide MS Information | Sess_Stat : 0 Sess_End : 0 Sess_Source : 0 Sess_Tag : 27 PD_Msg_Type:0 Unsol_Resp:0 Resp_Type:2 → Provide MS Information Resp_Par_Len:5 MS_LS_Rev:0 MS Mode:0 GPS_Acq_Cap : 3 GPS Acquisition Assistance:1 GPS Sensitivity Assistance:1 GPS Almanac:0 GPS Ephemeris:0 GPS Navigation Message Bits : 0 GPS Autonomous Acquisition Capable : 0 |
| 00:26:40.469 | FWD | Req | Request MS Information | | |
| 00:26:40.469 | FWD | Req | Request Pilot Phase Measurement | | |
| 00:26:40.490 | RVS | Resp | Provide MS Information | | |
| 00:26:42.662 | RVS | Resp | Provide Pilot Phase Measurement | | |
| 00:26:43.490 | FWD | Req | Request Pseudorange Measurement | | |
| 00:26:43.490 | FWD | Req | Request Pilot Phase Measurement | | |
| 00:26:43.490 | FWD | Unsol | Provide GPS Acquisition Assistance | | |
| 00:26:44.017 | RVS | Req | Provide G PS Sensitivity Assistance | | |
| 00:26:45.070 | FWD | Resp | Provide GPS Sensitivity Assistance | | |
| 00:26:45.337 | FWD | Resp | Request GPS Sensitivity Assistance | | |
| 00:26:45.950 | FWD | Resp | Provide GPS Sensitivity Assistance | | |
| 00:26:46.594 | FWD | Resp | Provide G PS Sensitivity Assistance | | |
| 00:26:47.290 | FWD | Resp | Provide GPS Sensitivity Assistance | | |
| 00:26:47.970 | FWD | Resp | Provide G PS Sensitivity Assistance | | |
| 00:26:48.647 | FWD | Resp | Provide GPS Sensitivity Assistance | | |
| 00:26:49.329 | FWD | Resp | Provide G PS Sensitivity Assistance | | |
| 00:26:51.522 | RVS | Req | Request Location Response | | |

FIG. 2

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| Time | Type | Num | PRN | Azimuth | Elevation | C/No |
|--------------|------|-----|-----|---------|-----------|------|
| 13:49:37.819 | PRM | 9 | 29 | | | 36 |
| 13:49:37.819 | | | 23 | | | 36 |
| 13:49:37.819 | | | 10 | | | 40 |
| 13:49:37.819 | | | 17 | | | 32 |
| 13:49:37.819 | | | 15 | | | 30 |
| 13:49:37.819 | | | 8 | | | 33 |
| 13:49:37.819 | | | 24 | | | 37 |
| 13:49:37.819 | | | 18 | | | |
| 13:49:37.892 | AA | 11 | 26 | 303.8 | 78.8 | |
| 13:49:37.892 | | | 29 | 348.8 | 67.5 | |
| 13:49:37.892 | | | 23 | 337.5 | 56.3 | |
| 13:49:37.892 | | | 10 | 67.5 | 45.0 | |
| 13:49:37.892 | | | 17 | 303.8 | 33.8 | |
| 13:49:37.892 | | | 15 | 315.0 | 22.5 | |
| 13:49:37.892 | | | 8 | 45.0 | 11.3 | |
| 13:49:37.892 | | | 6 | 247.5 | 11.3 | |
| 13:49:37.892 | | | 24 | 146.3 | 11.3 | |
| 13:49:37.892 | | | 9 | 180.0 | 11.3 | |
| 13:49:37.892 | | | 18 | 281.3 | 11.3 | |
| 13:49:38.210 | PRM | 7 | 26 | | | 27 |
| 13:49:38.210 | | | 29 | | | 27 |
| 13:49:38.210 | | | 23 | | | 29 |

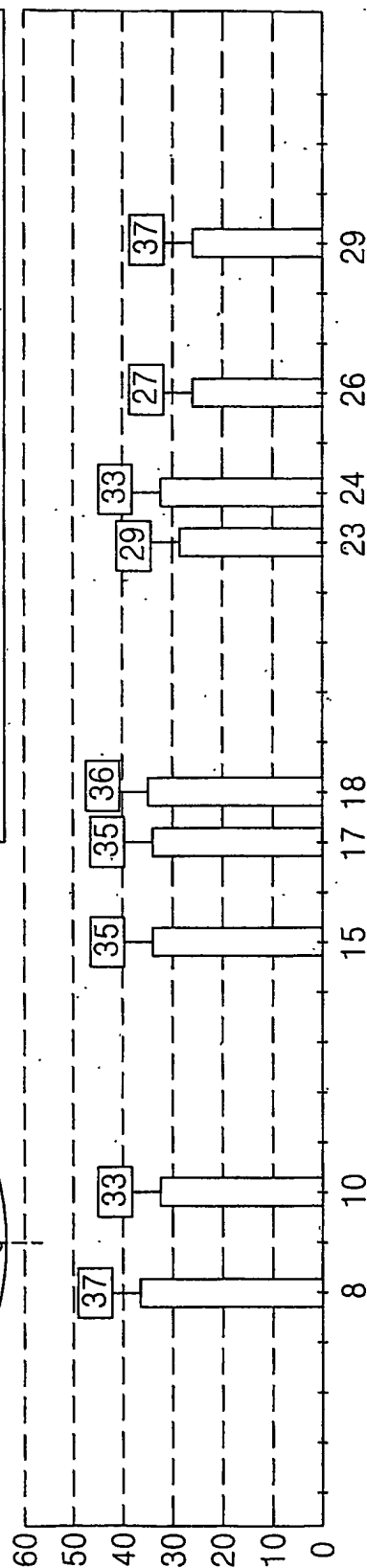
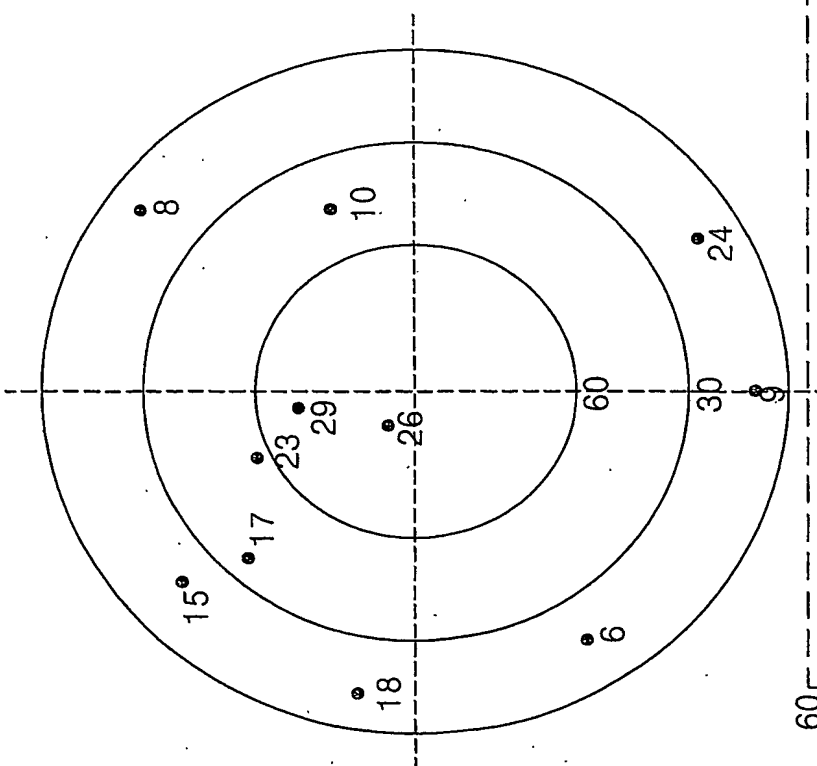


FIG. 3

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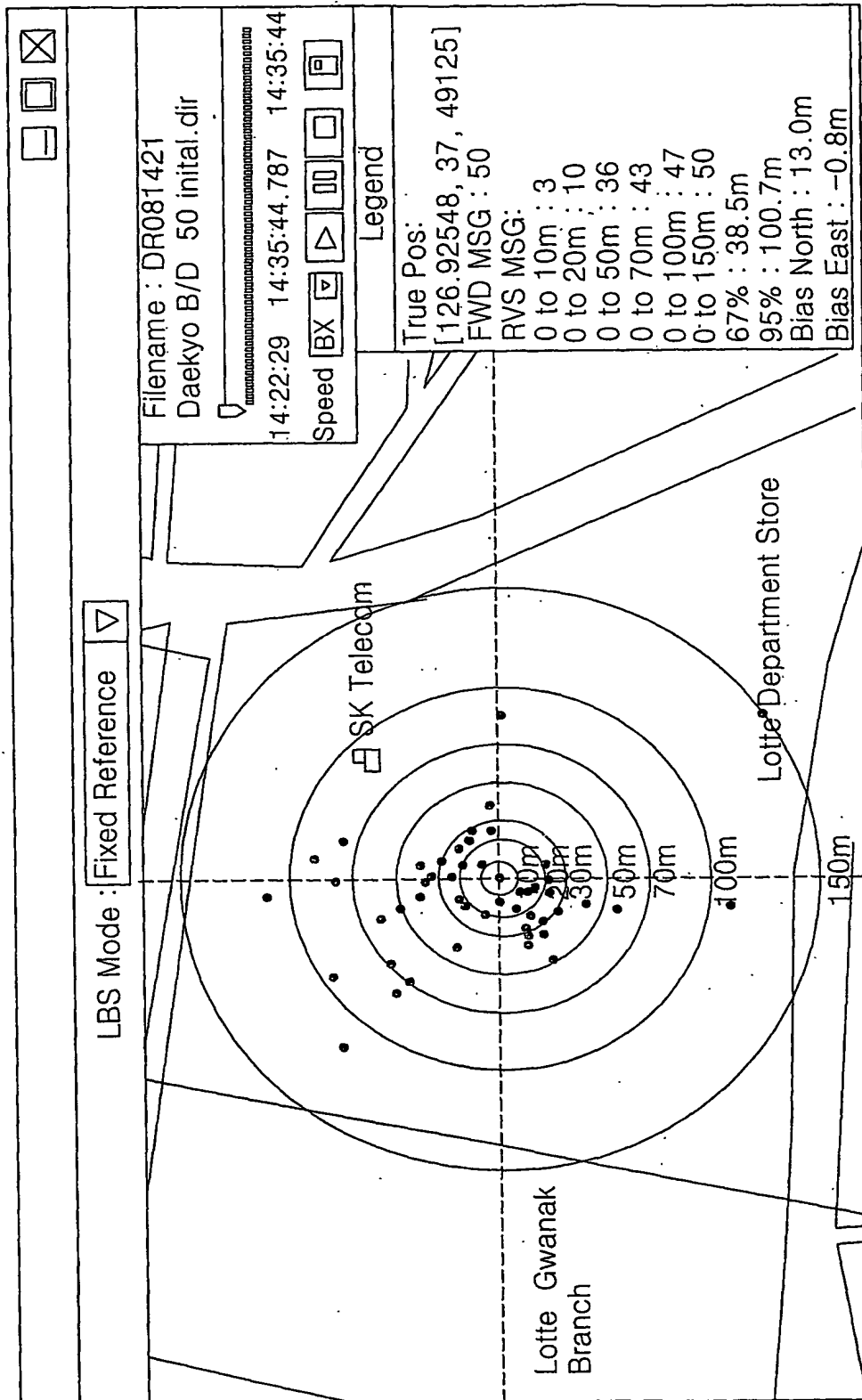


FIG. 4